

AMENDMENTS TO THE SPECIFICATIONIN THE SPECIFICATION:Page 36

The paragraph starting on line 23 has been amended as follows:

Furthermore, the display section 2c includes as the first radio communication section 11, an RF receiving section 103, an OFDM demodulation section 104, an OFDM modulation section 105, and an RF transmitting section 106. The RF receiving section 103 is provided for down converting a signal in a radio transmission frequency band ~~(5[GHz])~~ (5GHz) as received by the antenna section 101 and outputting a base band signal. The OFDM demodulation section 104 is provided for generating a digital data string by base band demodulating the base band signal from the RF receiving section 103 to generate the digital data string to be output to the control section. The OFDM demodulation section 105 is provided for base band modulating and demodulating the digital data string from the control section. The RF transmitting section 106 is provided for generating a signal in a radio transmission frequency band by up-converting the base band signal modulated by the OFDM modulation section 105 to be transmitted from the antenna section 102. Similarly, the display section 2c includes as the second radio communication section 13, the RF receiving section 113 for 2.4 GHz ~~5 [GHz]~~, the OFDM modulation section 114, the OFDM modulation section 115 and the RF transmitting section 116.

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The paragraph starting on line 11 has been amended as follows:

On the other hand, as illustrated in Figure 5, other communication device 2 (an access point 2a, a signal source 2b) is provided with the first radio communication section 11 to the second antenna section 14, and a data processing section 21. However, in the present embodiment, these communication devices 2a and 2b perform communications in the same physical layer as the physical layer the display device 2c uses without instructing the other communication device 2 to switch the physical layer, the first communications state detecting section 31 to the communications state presenting section 35 are omitted. Incidentally, each of the communication devices 2a and 2b have different functions from the display device 2c, the data processing section 21 according to respective functions is provided. For ease in explanations, when it is necessary to specify which of the members of the communication device 2, the same ~~alphabet-letter~~ as the ~~alphabet-letter~~ assigned to the communication device 2 is added to refer to, such as a data processing section 21a for the access point 2a. On the other hand, when it is not necessary to specify which of the members, or described in the generic term, the ~~alphabet-letter~~ at the end shall be omitted such as the data processing section 21.

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The paragraph starting on line 12 has been amended as follows:

As in S16, in the display device 2c in accordance with the present embodiment, in the case where the communication state is poor, and there is no physical layer capable of providing the initially set physical layer, the physical layer selecting section 33 informs that to the application operating section  $\alpha$  to urge it to show new communication quality level (effective throughput, etc.). Here, in the case where the application operating section  $\alpha$  tries to transmit a quality signal such as an AV signal, etc., that requires the effective throughput of 20 [Mbps], for example, if the transmission of a signal of lower quality is permitted (AV signal that requires the effective throughput of ~~6-Mbs~~ 6 [Mbs]), the required signal quality level is lowered to permit the transmission of that signal. In this case, the physical layer selecting section 33 executes the process in and after S12, and selects the physical layer  $\beta$  capable of providing the communication quality level as corrected to be a lower quality level.

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The paragraph starting on line 19 has been amended as follows:

In this case, in order to realize the transmission of the AV signal in the frequency band (2.4 [GHz]) set for the second highest priority, the CPU 123b of the signal source 2b controls the RF receiving section 113b to determine the electric wave state at 2.4 [~~GHz~~] [GHz] to determine if there exists any available channel. If it is determined that there exists an available channel,

the CPU 123b enables the OFDM modulation section 115b for the frequency band 2.4 [GHz], the OFDM demodulation section 114b, and the RF transmission section 116b in replace of the OFDM modulation section 105b for the frequency band 5 [GHz], the OFDM demodulation section 104b, and the RF transmission section 106b, thereby establishing an link with the display device 2c.